CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 80-48

WATER RECLAMATION REQUIREMENTS FOR:

PINA CELLARS
OAKVILLE, NAPA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter Board) finds that:

1. Pina Cellars submitted a Report of Waste Discharge dated June 24, 1980, and its consultant provided additional information by phone on July 25, 1980.

2. Pina Cellars (hereinafter discharger) proposes to discharge the following wastes:

   a. Waste No. 1 consists of 60 gallons per day of sanitary sewage from 2 employees. This waste is discharged into a septic tank and a loam soil mound evapo-transpiration system having an area of 1000 square feet.

   b. Waste No. 2 consists of industrial waste, only, from the production of wine including the crushing, fermentation, bottling, and cleanup operations. The estimated flow is 550 gallons per day average and 1600 gallons per day maximum during the crushing season (August 15 to November 1) based on a 120 ton annual crush. The flow will average 164 gallons per day the rest of the year. The waste will pass through a screen chamber prior to flowing through two 1200 gallon sedimentation tanks (septic tanks) connected in series. The tanks will have a detention time of 37.2 hours at peak flow. After sedimentation the waste will flow to a 500 gallon sump tank and thence be pumped to a 14,000 gallon aerated storage tank. Disposal will be by spray irrigation on about 0.4 acre of moderately wooded hillside.

3. The Board adopted a Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan) in April 1975. The Basin Plan contains water quality objectives for the Napa Valley area.

4. The beneficial uses of the Napa River downstream from the winery property are:

   a. Domestic water supply for irrigating family gardens.

   b. Agricultural water supply for stock watering, irrigation and frost protection.

   c. Water contact recreation.

   d. Fish migration and habitat.

e. Preservation and enhancement of fish, wildlife and other aquatic resources.

f. Esthetic enjoyment.

5. The beneficial uses of the Napa Valley ground waters as set forth in the Basin Plan include:

a. Domestic water supply.

b. Agricultural water supply.

6. The Napa County Planning Department has determined that the proposed winery qualified for a class 3 categorical exemption from the requirements of the California Environmental Quality Act because it is a small facility in an area not cumulatively recognized as environmentally sensitive.

7. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.

8. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, pursuant to the provisions of Division 7 of the California Water Code and regulations adopted thereunder, that the discharger shall comply with the following:

A. Prohibitions

1. The collection, treatment, and reclamation or disposal of waste shall not create a nuisance as defined in Section 13050(m) of the California Water Code.

2. There shall be no bypass or overflow of waste to waters of the State either at the treatment facility or from the collection system.

3. The waste shall not be allowed to escape from the discharger's irrigation or disposal area into waters of the State via surface flow, resurfacing after percolation or airborne spray.

4. The waste shall not cause degradation of any ground water so as to impair beneficial use.

5. Waste No. 1 or sanitary sewage from any other source shall not be discharged to the sedimentation tanks or onto the spray irrigation area.

B. Discharge Specifications

1. Waste No. 2 as discharged to the spray irrigation area shall meet the following limits at all times:

Dissolved Oxygen	2.0 mg/l minimum
Dissolved Sulfide	0.1 mg/l maximum
pH	6.0 minimum 9.0 maximum
5-day BOD	40 mg/l maximum

2. Waste No. 1 (sanitary) discharged through leach lines into the soil shall be kept below ground surface.

C. Reclaimed Wastewater Use Limitations

1. Revised maps must be submitted before any future change is made in the area used for irrigation or disposal.

2. Wastewater irrigation ponding which could provide a breeding area for mosquitoes shall be prevented.

D. Provisions

1. The discharger shall comply with the Self-Monitoring Program as ordered by the Executive Officer.

2. The discharger shall file with this Board a report of any material change or proposed change in the character, treatment, or volume of this waste discharge. For the purpose of these requirements, this includes any proposed change in the boundaries, or ownership of the property.

3. The discharger shall permit the Regional Board:

   a. Entry upon premises in which an effluent source is located or in which any required records are kept;

   b. Access to copy any records required to be kept under terms and conditions of this Order;

   c. Inspection of monitoring equipment or records; and

   d. Sampling of any discharge.

4. The discharger shall maintain in good working order and operate as efficiently as possible any facility or control system installed by the discharger to achieve compliance with the waste discharge requirements.

5. Collected screenings, sludges, and other solids removed from liquid waste shall be hauled to a class I I solids waste disposal site or worked into the vineyard land in a way that will not cause excessive odor or nuisance.

6. This Board requires the discharger to file with the Board, within ninety (90) days after the effective date of this Order, a technical report on his preventive (failsafe) and contingency (cleanup) plans for controlling accidental discharges, and for minimizing the effect of such events. The technical report should:

   a. Identify the possible sources of accidental loss, untreated waste bypass, and contaminated drainage. Loading and storage areas, power outage, waste treatment unit outage, and failure of process equipment, tanks and pipes should be considered.

   b. Evaluate the effectiveness of present facilities and procedures and state when they became operational.

   c. Describe facilities and procedures needed for effective preventive and contingency plans.

   This Board, after review of the technical report, may establish conditions which it deems necessary to control accidental discharges and to minimize the effects of such events. Such conditions may be incorporated as part of this Order, upon notice to the discharger.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on October 6, 1980.

FRED H. DIERKER
Executive Officer

Attachments:
Standard Provisions, Reporting
Requirements & Definitions dated April 1977
Self-Monitoring Program

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM
FOR

PINA CELLARS

OAKVILLE, NAPA COUNTY

ORDER NO. 80-48

CONSISTS OF

PART A , dated 1/78

AND

PART B

PART B

I. DESCRIPTION OF SAMPLING STATIONS

A. EFFLUENT

Station	Description
E-1	At any point where all of waste No. 2 (industrial) is present.
E-2	Somewhere in the pipe between the aerated storage tank and the spray irrigation sprinkler system.

B. LAND OBSERVATIONS

Station	Description
S-1 thru S-'n'	Any point for waste No. 1 (sanitary) at which surfacing water is ponding over the septic tank's leach field. (A sketch shall be submitted with each report showing the location on each station).
P-1	Waste sedimentatin tank.
P-2	Waste storage tank.
I-1 thru I-'n'	At points spaced equidistantly around the periphery of the spray irrigation field. Points shall be separated by less than 200 feet. (A sketch shall be submitted with the first report showing location of each station).

II. SCHEDULE OF SAMPLING, ANALYSIS, AND OBSERVATIONS

The schedule of sampling, analysis and observations shall be that given as Table I.

III. MODIFICATION OF PART "A" DATED 1/78

A. Exclusions: Paragraphs C.3, C.4, C.5.a, C.5.b, C.5.c, D.1, D.3, E.2, F.3.e, and F.3.g.

B. Modifications:

Paragraph F-4: Replace "Written reports shall be filed regularly for each calendar month ..." with "Written reports shall be filed regularly for each calendar quarter ..."

I, Fred H. Dierker, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 80-48.

2. Is effective on the date shown below.

3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger, and revisions will be ordered by the Executive Officer.

FRED H. DIERKER
Executive Officer

Attachment:
Table I

Effective Date October 10, 1980

TABLE I

SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSES

SAMPLING STATIONS	E-1	E-2	All "I" Sta	All "P" Sta.	All "S" Sta.				
TYPE OF SAMPLES		G	O	O	O				
Flow Rate (mgd)	D								
pH		3M							
Sulfides Total & Dissolved (mg/l)		3M							
Dissolved Oxygen (mg/l)		3M							
BOD, 5-day, 20° (mg/l)		3M							
All Applicable Standard Observations(1)			2W	2W	2W				

LEGEND FOR TABLE

G = Grab sample
O = Observation

D = Daily
2W = every two weeks
3M = every three months

(1) Standard observations shall include observations of wastes escaping from the discharger's irrigation or disposal area via surface flow and/or airborne spray.